

SEQUENCE LISTING

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DINA, Dino
TUCK, Stephen F.

<120> CHIMERIC IMMUNOMODULATORY COMPOUNDS AND
METHODS OF USING THE SAME-IV

<130> 377882002021

<140> Not Yet Assigned

<141> 2003-07-18

<150> US 10/328,578

<151> 2002-12-23

<150> US 10/176,883

<151> 2002-06-21

<150> US 10/177,826

<151> 2002-06-21

<150> US 60/375,253

<151> 2002-04-23

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<151> 2001-06-21

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13

<210> 107

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 107
tcggtaccgt tcg

13

<210> 108

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 108
tcggaaccgt tcg

13

<210> 109

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 109
tcggaacggtt cg 12

<210> 110
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 110
tcgtcgggaac gttcg 15

<210> 111
<211> 12
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<220>
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<400> 111
tcgtaacggtt cg 12

<210> 112
<211> 11
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<220>
<223> Synthetic construct

<400> 112
tcgaccgttc g 11

<210> 113
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 113
tcgtcgaccg ttcg 14

<210> 114
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 114
tgcgtgtaac gttacacgca 20

<210> 115
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2
<223> n = 5-bromocytosine

<221> variation
<222> 5
<223> n = 5-bromocytosine

<221> variation
<222> 4-6
<223> tng may or may not be present

<221> variation

<222> 7, 8
<223> n = any nucleotide

<221> variation
<222> 7, 8
<223> n's may or may not be present

<221> variation
<222> (10)...(10)
<223> n = t, a, or c

<221> variation
<222> (13)...(13)
<223> n = t, g, or u

<400> 115
tngtngnnan cgntcg

16

<210> 116
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 116
ttggccaagc ttggccaa

18

<210> 117
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2, 5
<223> n = 5-bromocytosine

<400> 117
tngtngtgaa cgttcg

16

<210> 118
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
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<221> variation
<222> 2
<223> n = 5-bromocytosine

<400> 118
tngaacgttc g,

11

<210> 119
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2
<223> n = 5-bromocytosine

<400> 119
tngaccgttc g

11

<210> 120
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2, 5
<223> n = 5-bromocytosine

<400> 120
tngtngaccg ttcg

14

<210> 121
<211> 16

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5
<223> n = 5-bromocytosine

<221> variation
<222> 7, 8
<223> n = any nucleotide

<221> variation
<222> 7, 8
<223> n's may or may not be present

<221> variation
<222> 10
<223> n = t, a, or c

<221> variation
<222> 13
<223> n = t, u, or g

<400> 121
tcgtngnnan cgntcg

16

<210> 122
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5
<223> n = 5-bromocytosine

<400> 122
tcgtngtgaa cgttcg

16

<210> 123
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<221> variation
<222> 5
<223> n = 5-bromocytosine

<400> 123

tcgtngaacg ttcg

14

<210> 124
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5
<223> n = 5-bromocytosine

<400> 124
tcgtngaccg ttcg

14

<210> 125
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> misc_feature
<222> (4)...(6)
<223> tcg may or may not be present

<221> variation
<222> 7, 8
<223> n = any nucleotide

<221> variation
<222> 7, 8
<223> n's may or may not be present

<221> variation
<222> 10
<223> n = t, a, or c,

<221> variation
<222> 11
<223> n = 5-bromocytosine

<221> variation
<222> (13)...(13)
<223> n = t, g, or u

<400> 125
tcgtcgnnan ngntcg

16

<210> 126
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 8
<223> n = 5-bromocytosine

<400> 126
tcggaangt tcg

13

<210> 127
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 6
<223> n = 5-bromocytosine

<400> 127
tcgaangttc g

11

<210> 128
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2
<223> n = 5-bromocytosine

<221> variation
<222> (4)...(6)
<223> tng may or may not be present

<221> variation
<222> 5
<223> n = 5-bromocytosine

<221> variation
<222> 7, 8
<223> n = any nucleotide

<221> variation
<222> 7,8
<223> n's may or may not be present

<221> variation
<222> (10)...(10)
<223> n = t, a, or c

<221> variation
<222> (13)...(13)
<223> n = t, g, or u

<400> 128
tngtngnnan ngntcg

16

<210> 129
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2, 6
<223> n = 5-bromocytosine

<400> 129
tngaangutc g

11

<210> 130
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 2, 6
<223> n = 5-bromocytosine

<400> 130
tngaangttc g

11

<210> 131
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5
<223> n = 5-bromocytosine

<221> variation
<222> 7, 8
<223> n = any nucleotide

<221> variation
<222> 7, 8
<223> n's may or may not be present

<221> variation
<222> 10
<223> n = t, a, c

<221> variation
<222> 11
<223> n = 5-bromocytosine

<221> variation
<222> (13)...(13)
<223> n = t, g, or u

<400> 131
tcgtngnnan ngntcg

16

<210> 132
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5, 9
<223> n = 5-bromocytosine

<400> 132
tcgtngaang utcg

14

<210> 133
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> variation
<222> 5, 9
<223> n = 5-bromocytosine

<400> 133

tcgtngaang ttcg

14

<210> 134
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> modified_base

<222> 1
 <223> n = thymine attached to a reactive linking group

<400> 134
 ngactgtgaa cgttcgagat ga 22

<210> 135
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<221> modified_base
 <222> 1
 <223> n = thymine attached to a reactive linking group

<400> 135
 ngactgtgaa cgttcgagat ga 22

<210> 136
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<400> 136
 tgactgtgaa ggttagagat ga 22

<210> 137
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic construct

<221> modified_base
 <222> 1
 <223> n = thymine attached to a reactive linking group

<400> 137
 ngactgtgaa ccttagagat ga 22

<210> 138
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
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<221> modified_base
 <222> 1

<223> n = thymine attached to a reactive linking group

<400> 138.

ngactgtgaa ccttagagat ga

22

<210> 139

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 139

tgactgtgaa cggtcgagat gatgactgtg aacgttcgag atgatgactg tgaacgttcg 60
agatga 66

<210> 140

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 140

atcgatcggt cgagcgac

18

<210> 141

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 141

gtcgctcgaa cgatcgat

18

<210> 142

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 142

agggtttttt tttttttt

18

<210> 143

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 143
tcgatcgatc gatcgttcga gcgac

25

<210> 144
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 144
gtcgctcgaa cgatcgattt aacaaac

27

<210> 145
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 145
gtcgctcgaa cgatcgataa taaat

25

<210> 146
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 146
tcgatcgta tcgatcgttc gagcgac

27

<210> 147
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 147
tcgattcgag cg

12

<210> 148
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 148

tcgttcgagc gaattcgctc gaacgatctt

30

<210> 149

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 149

tcgttttttt tcgc

14

<210> 150

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 150

aaaaaaaaacg ccg

13

<210> 151

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 151

tcgcgaaaaa aaacga

16

<210> 152

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<400> 152

atcatccgaa cgttga

16

<210> 153

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 153

tcgttcgaac gttecgaacg a

21

<210> 154

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Construct

<400> 154

tcgttcgaac gttcgaacga

20

<210> 155

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 155

tcgaacgttc ga

12

<210> 156

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 156

tcgttcgaac gttcgaa

17

<210> 157

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 157

acttagaggt tcagtagg

18

<210> 158

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 158

cctactgaac ctctaagt

18